

1917.

ANNUAL REPORT
and
VITAL STATISTICS
For the Year 1917.

The Urban District of
WINSFORD.

PREPARED BY
LIONEL JAS. PICTON,
M.A. Oxon., M.B., B.Ch., L.R.C.P., M.R.C.S.,
Medical Officer of Health for the District,

In accordance with instructions from
:: the Local Government Board. ::

May, 1918.

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TO THE CHAIRMAN AND MEMBERS OF THE
 WINSFORD URBAN DISTRICT COUNCIL.

I have the honour to submit herewith my Annual Report. It follows, so far as War conditions permit, the lines of those of Dr. Garstang. I am indebted to Mr. Hickson, the Inspector, for constant and invaluable assistance.

GENERAL SUBJECTS: INSTRUCTIONS.

A Circular, dated 28th December, 1917, has been issued by the Local Government Board, referring to the discontinuance of the issue of the Tables formerly sent out each year, and suggesting that Reports of Medical Officers of Health should be confined to essential and urgent matters.

STATISTICAL REPORT FOR 1917.

POPULATION.			
<i>At 1891 Census.</i>	<i>At 1901 Census.</i>	<i>At 1911 Census.</i>	1917.
10,440.	10,382.	9,950.	11,196 for birth rate.
			10,044 for death rate.
			[i.e., excluding military population.]
AREA IN ACRES (including land and water)	...	...	5,780 (acres)
Inhabited houses at 1911 Census	...	...	2,372 (number)
Number of persons per house at 1911 Census	...	...	4.54 (average)
BIRTHS (107 male, 105 female)	...	...	212 (number)
BIRTH-RATE PER 1,000 LIVING :			
England and Wales	...	...	17.8 (rate)
96 Great Towns, including London (Census Populations exceeding 50,000)	...	...	18.1 (rate)
148 Smaller Towns (Census Popula- tions 20,000—50,000)	...	...	18.0 (rate)
London	...	...	17.5 (rate)
Winsford	...	...	18.9 (rate)
Administrative County of Cheshire			15.8 (rate)

ILLEGITIMATE BIRTHS (5 male, 8 female) ... 13 (number)

DEATHS (80 males, 68 females) ... 148 (number)

DEATH-RATE PER 1,000 LIVING:

England and Wales ... 14.4 (rate)

96 Great Towns, including London
(Census Populations exceeding
50,000) ... 14.6 (rate)

148 Smaller Towns (Census Popula-
tions 20,000—50,000) ... 13.2 (rate)

London ... 15.0 (rate)

Winsford ... **14.7** (rate)

Administrative County of Cheshire... 12.8 (rate)

PRINCIPAL ZYMOTIC DISEASES:—

SMALL-POX: *Number of cases:* Nil.

MEASLES: *Number of cases:* 253. *Number of deaths:* 1 (number).

SCARLET FEVER: *Number of cases:* 2. *Number of deaths:* Nil.

DIPHTHERIA: *Number of cases:* 42. *Number of deaths:* 1 (number).

WHOOPIING COUGH: *Number of cases:* Not known. *Number of deaths:* Nil.

FEVER: Typhus: *Number of cases:* Nil.

Typhoid: *Number of cases:* 2. *Number of deaths:* 1 (number).

Continued: *Number of cases:* Nil.

DIARRHŒA: *Number of cases:* Not known. *Number of deaths under 2 years:* 1 (number).

TOTAL DEATHS FROM PRINCIPAL ZYMOTIC DISEASES, 4 (number).

DEATH-RATE FROM PRINCIPAL ZYMOTIC DISEASES:—

For **Winsford** ... **0.40** (rate)

For Administrative County of Cheshire ... 0.53 (rate)

TUBERCULOSIS: Number of old cases, 32. } Number of deaths 11.
Number of new cases 27. }

The notifications include:—

Tuberculosis of Lungs ... 15 Number of deaths ... 7
(2 males, 5 females)

„ „ Meninges ... 1 Number of deaths ... Nil

of Abdominal Glands 5 }
of Cervical Glands ... 2 } Number of deaths ... 4
of Peritoneum ... 1 } (2 males, 2 females)

Other Tuberculosis ... 3 }

AGE, INCIDENCE & DISTRIBUTION OF CASES OF NOTIFIABLE DISEASE.

	All Ages,	Under 1.	1 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 & upw'rds.	Over.	Whar- ton.	Rem'v'd to H'sp't'l
Diphtheria	42	...	10	23	7	1	1	...	39	3	33
Erysipelas	7	...	...	...	2	3	2	...	6	1	...
Scarlet Fever ...	2	...	2	...	...	...	...	...	1	1	1
Enteric	2	...	...	...	1	1	...	...	2	...	2
Phthisis	15	...	1	1	7	5	1	...	10	5	2*
Other											
Tuberculosis ...	12*	1	2	5	1	3	...	...	5	7*	—
Ophthalmia											
Neonatorum ..	8	8	...	...	...	...	...	...	8	...	...
Measles	253	7	134	109	3	...	...	...	221	32	...

*Including 2 patients in Albert Infirmary from outside the District.

*To Sanatorium.

MONTHLY INCIDENCE OF DISEASES.

	Diphtheria.	Scarlet Fever.	Enteric.	Erysipelas.	Ophthalmia Neonatorum.
1917. January ...	—	—	1	1	—
February ...	—	—	—	—	—
March ...	—	—	1	1	—
April ...	1	1	—	—	3
May ...	—	—	—	—	2
June ...	3	—	—	—	—
July ...	3	—	—	1	—
August ...	5	—	—	—	—
September ...	11	1	—	—	1
October ...	6	—	—	1	—
November ...	5	—	—	2	—
December ...	8	—	—	1	2
Total in 1917 ...	42	2	2	7	8

DEATHS UNDER 1 YEAR (18 males, 12 females) ... 30 (number)

DEATHS UNDER 1 YEAR PER 1,000 BIRTHS:—

England and Wales ...	97 (rate)
96 Great Towns, including London (Census Populations exceeding 50,000) ...	104 (rate)
148 Smaller Towns (Census Popula- tions 20,000—50,000) ...	93 (rate)
London ...	103 (rate)
Winsford ...	141 (rate)
Administrative County of Cheshire ...	86 (rate)

OTHER CAUSES OF DEATH THAN ZYMOTIC DISEASE & TUBERCULOSIS.

	Males.	Females.	Total.
Influenza	2	2	4
Cancer	4	12	16
Meningitis	—	1	1
Organic Heart Disease ...	11	13	24
Bronchitis	6	5	11
Pneumonia (all forms) ...	9	3	12
Other Respiratory Diseases...	1	—	1
Cirrhosis of Liver	—	1	1
Nephritis & Bright's Disease	—	2	2
Congenital Debility* ...	6*	5*	11*
Violence (apart from suicide)	5	1	6
Suicide	—	1	1
Other defined causes* ...	29	14	43

Institutions outside the District receiving Sick and Infirm from the District.	}	ISOLATION HOSPITAL FOR INFECTIOUS DISEASES. Davenham (34 beds) and Marbury. UNION WORKHOUSE. Northwich.
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Institution within District receiving Sick Persons from outside the District.	}	Albert Infirmary (26 beds).
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CLOSETS AND SCAVENGING.

WATER CLOSETS, 1,140 (approx.), an increase of 4 as a result of conversions from cesspool privies.

There are no waste water or hand flushed closets.

PEAT PAILS, 512 (as in 1916), emptied and changed once a week.

CESSPOOL PRIVIES, 804 (estimated), a reduction of 4 by conversion to w.c.'s. The Cesspool Privies are scavenged once each 9 weeks.

DRY ASHPITS: Emptied and disinfected monthly.

GALVANIZED ASHBINS: Emptied fortnightly.

*Included in deaths under 1 year above.

USE OF FOOD WASTE FOR PIG-FEEDING.

This was not attempted by the Council in 1917.*

SANITARY INSPECTIONS.

Form B, herewith, prepared by the County M.O.H., is filled in with the details of the Sanitary Inspector's work. (See Appendix B.)

DAIRIES & COWSHEDS: No structural alterations have been made.

CANAL BOATS, ETC.: The Barges plying between Liverpool and Winsford are with one exception registered under the Merchants Shipping Act, and so do not come under our survey.

HOME WORK is given out by only one Factory—one for the manufacture of clothing. Two lists containing 4 names have been submitted. The homes where the work is carried on are satisfactory.

SCHOOLS.

The sanitary conditions and water supply of all Schools are good. Schools are disinfected regularly twice yearly at holidays, and also whenever specially closed. The following were closed:—

MEASLES. Meadow Bank Council. From June 22 to July 20.

MEASLES. High Street Council (Infant). From September 24 to October 30.

MEASLES & DIPHTHERIA. Gladstone Street Church of England. From October 18 to November 17.

MEASLES. St. John's Church of England. From October 23 to November 17.

PATHOLOGICAL REPORTS

have been made by the Laboratory of Public Health, York Place,

*It is noteworthy in this connection that experiments carried on by Mr. T. F. Prime, M.R.C.V.S., in 1917 in London, on feeding pigs on kitchen waste, resulted as follows: 12 pigs (purchased in lots of 3, 4 and 5 in January, March and September) ate in 48 weeks 6,104 lb. of kitchen waste (collected from town kitchens). No meal was used except 28 lb., when on one occasion the supply ran short. The total increase in the live weight of the pigs was 870 lb., i.e., 7 lb. of "wash" produced 1 lb. live weight increase. "The pork was of excellent quality and, if anything, too fat, and could not when cooked be distinguished from meal-fed pork." [Journal of Board of Agriculture. February, 1918.]

It was found that the amount of kitchen waste per head in a household was from 1 lb. to 1½ lb. per week.

This system might well be attempted in Winsford.

Manchester, and by the Lister Institute, London, on Throat Swabs, etc.

The practice of swabbing the throats of contacts of known cases of Diphtheria has led in several instances to the detection of the disease in persons apparently well. These have been isolated, and the spread of the disease thus prevented. The pursuit of this policy should save much epidemic illness.

MEASLES PREVENTION.

The Council has issued a leaflet on the subject, and has also commenced the policy of freely supplying Eucalyptus Oil for the purpose of anointing children in contact with measles patients. The parents are instructed also to wash the throats of the children exposed to the infection with weak permanganate of potash solution. The infection resides in the nose and throat, and that substance is a proved disinfectant for that region. The strength of the solution advised is one of permanganate of potash in 4,000 of salt and water. The strength of the salt and water is a tea-spoonful of salt in a pint of water. It is best used as a nose wash and gargle.

MATERNITY AND CHILD WELFARE SCHEME.

In September a MATERNITY AND CHILD WELFARE SCHEME for the District was prepared and submitted by the Council to the Local Government Board. The Scheme is as follows:—

1. That the Council appoint a whole-time Health Visitor
 - (a) to visit children as at present up to one year of age;
 - (b) to visit children between one and five years of age;
 - (c) to report defects noted in condition of children to M.O.H.;
 - (d) to advise all mothers to bring their children for periodical weighing and inspection to the Centre;
 - (e) to make it known to mothers and women who are pregnant that the Centre is available for the purpose of advising them;
 - (f) to visit cases of measles during an epidemic, should the M.O.H. consider it necessary, due precautions being taken against conveying infection;

(g) to attend at the sittings of the Centre.

Salary of Health Visitor estimated at £80.

[Her present part-time salary is £30, plus extra payment in case of epidemic of measles.]

2. That the Council hire the Consulting and Waiting Rooms at the Sub-Dispensary, Albert Infirmary, Winsford, one afternoon a fortnight at a charge of, say, £7 10s. per annum, to include lighting, heating and cleaning, and the use of any apparatus for diagnostic purposes possessed by the Infirmary, assuming the Medical Officer of the Centre to be a member of the Staff of the Infirmary.
3. That the Council hire rooms at the Guild Hall (or other suitable premises) in Over one afternoon a fortnight at a charge of, say, £7 10s. per annum, to include lighting, heating and cleaning.
4. That the premises rented under paragraphs 2 and 3 above be used as a Centre, each alternate week in Over and Wharton, for the examination of children up to five, and such mothers and pregnant women as may attend.
5. That the Council appoint a doctor as Medical Officer to the Centre, to conduct the Centre as laid down in the Memoranda and Regulations of the L.G.B., at a salary (based on the rate of 10s. per hour for 1½ hours per week) of £40 per annum.
6. That the Council invite the Board of the Albert Infirmary to approach the Ladies' Committee of that Institution and suggest that they should appoint a small Sub-Committee to give voluntary assistance at the Centre, of which Sub-Committee one lady (either an original member or co-opted for the purpose) should be willing to attend each week and to act as secretary to the M.O. of the Centre.
7. That it should be suggested to the Ladies' Sub-Committee that they should raise a small voluntary fund for maintaining such ancillary features of the Centre as advice on the forms and materials of infants' garments, the provision of tea for the mothers attending, and other means of rendering the Centre attractive. Cost to Council: Nil.
8. That the Council purchase a suitable weighing machine for

weighing the infants at the Centre. Estimated cost, say, £5.

9. That the Council purchase record cards and report sheets at a cost of, say, £3.
10. That it be the duty of the M.O. to send weekly to each Medical Practitioner whose patients attend the Centre the names of such patients on the form below with the particulars of the results of the examination thereon recorded;
To keep on a card index or otherwise similar records in respect of each person examined.
11. That the Council subscribe to the Winsford and Moulton District Nursing Association [recently formed under the presidency of Mrs. Newall to maintain two nurses in Winsford and one nurse in Moulton] the sum of, say, £20 per annum, for the purpose of improving the supply of midwives in the district.
12. That the Council maintain in the Albert Infirmary any patients found at the Centre to require hospital treatment when the requisite treatment is not available without such assistance: such treatment to be given by or through the patient's own doctor if he be a member of the hospital staff, and in any case by a member of the staff. For such cases (on the experience of children's and gynaecological cases in 1915 and 1916) I estimate £12.
13. That the Council submit this scheme, in accordance with the suggestion of the L.G.B. to that effect, to the Local Medical Profession for an expression of its views.

*Draft Form of Weekly Report by Centre to Practitioner:—
Winsford Urban District Council.*

Maternity and Child Welfare Centre, Albert Infirmary.

From M.O. to the Centre to Dr. _____, of _____

Date: _____ The following is a list of your patients who attended at the Centre yesterday, _____. The general nature of any hygienic or dietetic advice given to them is indicated in the columns opposite their names. When any diseased condition specially calling for attention was noted it is stated in the right-hand column on this sheet. In each such case the patient or the patient's friends were in-

structed to seek your advice and treatment. The Health Visitor will be glad to assist in seeing that any instructions you may give are carried out.

FORM OF RECORD CARD.

Christian Surname. Name.		Age. Yrs. Mths.		Address.	O. or W.*	Height. Ft. Ins.		Weight. lbs. ozs.		Diet No.†	Hygienic Advice.‡	Attention is called to:
(For instance):												
Jones	Oliver	4	3	c/o J. O. Jones, High St.	O.	3	4	37	2	8	—	R. Inguinal Hernia.
Smith	George	1	1	c/o J. T. Geddes (grandfather), 6, Weaver St	O.	2	1	14	1	5	Daily bath followed by oiling.	(Dirty and poorly nourished.)
Robinson	Jane	—	6	W. Robinson, Station St.	W.	1	8½	15	½	Breast.	3-hourly feeds	—

* Over or Wharton.

† See Typewritten LIST OF DIETS.

‡ Any special advice given to be stated on separate slip.

The scheme received the approval of the L.G.B. after the termination of 1917, and was subsequently launched.

[APPENDIX A.]

CHESHIRE COUNTY COUNCIL.

TABULAR SUMMARY OF SANITARY WORK DURING 1917.

WINSFORD URBAN DISTRICT.

I. WATER SUPPLY.

Have any extensions been carried out during 1917? If so please append brief note. *Nil.*

Number of Samples analysed during 1917—chemically.	<i>Nil.</i>
bacteriologically.	<i>Nil.</i>

Are any, and if so what, parts of your district still without a proper supply of water? *Nil.*

II. SEWERAGE AND SEWAGE DISPOSAL.

Specify any new works of sewerage carried out during 1917. *Nil.*

Are any, and if so what, parts of your district still without a proper system of sewers? *As in 1912 "the District is well served as regards the Town itself." Further improvements were made in 1914. "Some of the sewers are very old, and are not such as would be laid to-day." "Outlying houses in 'rural' conditions are beyond reach, but are not numerous."*

Have there been any complaints to your knowledge during 1917 as to the disposal works? *Nil.*

Have any alterations or extensions taken place to your knowledge in the disposal works during 1917? *Nil.*

III. HOUSING.

Number of new houses built during 1917. *Nil.*

Number of dwelling-houses inspected under s. 17 Act of 1909. *Nil.*

Estimated or ascertained number of houses within limits of rent in s. 14 of Act of 1909. 2,200.

Number of such houses in respect of which notice was served during 1917. *Nil.*

Number of such houses closed after notice. *Nil.*

Number of such houses where Local Authority has executed necessary repairs, &c. *Nil.*

Approximate number of back-to-back houses in district. *12.*

Approximate number of cellar dwellings in district. *Nil.*

IV. TOWN PLANNING.

Has any scheme of Town Planning been put forward during 1917 for your District or any part thereof? If so please make brief note of part of District covered by Scheme. *Nil.*

V. MATERNITY AND CHILD WELFARE.

Has a Health Visitor been appointed—Whole time? *Not in 1917. (The Part-time Visitor has been appointed Whole-time Visitor from March, 1918.)*

Are all new births which need visitation seen by Health Visitor? If so how often? *Yes. Once each month and when necessary in addition.*

Have you any Maternity Centre, Babies' Welcome, Day Nursery, Infant Consultation, School for Mothers, &c., in your district? *No. (A Maternity and Child Welfare Centre was proposed by the Council in 1917. The scheme was approved by L.G.B. 1918, and is now being launched.)*

If the Health Visitor does other work please give brief particulars. *Not in 1917. The Council is prepared when necessary to employ her for visiting measles patients in an exceptional epidemic.*

(Signed) LIONEL JAS. PICTON.

March 23, 1918.

CHESHIRE COUNTY COUNCIL.
GENERAL ORDER OF LOCAL GOVERNMENT BOARD (MEDICAL OFFICER OF HEALTH AND INSPECTORS OF NUISANCES)
December 13th, 1910.

TABULAR STATEMENT OF INSPECTOR OF NUISANCES FOR THE YEAR ENDED DECEMBER 31ST, 1917.									
Number and Nature of Inspections made.		Number.	Number of Notices served.		Result of Service of Notices.				
			Statutory.	Informal.	N'tices com-plied with.	N'tices remaining in hand.	Prosecutions.		
							Instituted.	Pending.	
1.	Dwelling Houses (general inspections)	45	—	6	6	—	—	—	
2.	Cellar Dwellings	—	—	—	—	—	—	—	
3.	Back-to-Back Houses	12	—	—	—	—	—	—	
4.	Tents, Vans, Sheds, &c.	36	—	—	—	—	—	—	
5.	Courts, Yards, Passages	52	—	—	—	—	—	—	
6.	Privy-Middens, Earth or Pail Closets (804 P.M. 512 Peat Pails)	3770	—	120	114	6	—	—	
7.	Cesspools (12)	26	—	12	12	—	—	—	
8.	House Drainage (chiefly for blockages)	154	—	49	41	8	—	—	
9.	Ditches, Watercourses, &c.	12	—	4	3	1	—	—	
10.	Offensive Accumulations	8	—	8	8	—	—	—	
11.	The Keeping of Animals (P.H.A., 1875, S. 91 (3)) (chiefly poultry, trifling matters)	20	—	14	12	2	—	—	
12.	Offensive Trades (1 only. Tripe boiling shop. Satisfactory)	12	—	—	—	—	—	—	
13.	(a) Slaughterhouses (Public) (nil)	—	—	14	14	—	—	—	
	(b) Other 'Places where Food is produced or sold (chippotatoes)	194	—	—	—	—	—	—	
14.	Piggeries (N.B.—Restrictions removed)	34	—	—	—	—	—	—	
15.	(a) Dairies	86	—	2	2	—	—	—	
	(b) Cowsheds (about 90)	—	—	—	—	—	—	—	
	(c) Milkshops	302	—	184	180	4	—	—	
16.	(a) Factories (34, including 16 salt, brick, cabinet, corn mill, fustian clothing, iron foundry, silica, motor boat, silica)	—	—	—	—	—	—	—	
	(b) Workshops (116, boots, clogs, laundries, smithies, etc.)	64	—	3	3	—	—	—	
	(c) Workplaces (12, Quays, etc.)	184	—	5	4	1	—	—	
	(d) Outworkers' Premises (1, clothing)	14	—	—	—	—	—	—	
17.	Bakehouses (Overground) (14)	36	—	16	16	—	—	—	
	" (Underground) (1)	192	—	—	—	—	—	—	
18.	Common Lodging Houses (1, in Over, contains 5 beds)	24	—	2	2	—	—	—	
19.	Houses let in Lodgings	16	—	—	—	—	—	—	
20.	Smoke Observations	—	—	8	8	—	—	—	
21.	Canal Boats (1 only on Register. All others registered under Merchant Shipping Acts)	14	—	2	2	—	—	—	
22.	Infectious Disease Inquiries and Revisits	4	—	2	2	—	—	—	
23.	Miscellaneous, including Ashpits, etc.	2077	—	64	64	—	—	—	
	Totals	540	—	72	68	4	—	—	
		7928	—	585	559	26	—	—	
					(Signed)	THOS. HICKSON.			

